

## UK Office

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**Research Use Only. Not for  
diagnostic or therapeutic use.**

## EB06889 - Goat Anti-Cofilin 2 (muscle) Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** cofilin 2 (muscle), HGNC:1875, CFL2, NEM7, cofilin 2

**Official Symbol:** CFL2

**Accession Number(s):** NP\_068733.1; NP\_619579.1

**Human GeneID(s):** [1073](#)

**Important Comments:** This antibody is expected to recognise both reported isoforms (NP\_068733 and NP\_619579)

### Immunogen

Peptide with sequence C-DIKDRSTLGEK, from the C Terminus of the protein sequence according to NP\_068733.1; NP\_619579.1.

Please note the [peptide](#) is available for sale.

### Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Aliquot and store at -20°C. Minimize freezing and thawing.

### Applications Tested

**Peptide ELISA:** antibody detection limit dilution 1:128000.

**Western blot:** Approx 18kDa band observed in Human Skeletal Muscle lysates and in Rat Heart lysates (calculated MW of 18.7kDa according to NP\_068733.1 and NP\_619579.1). Recommended concentration: 0.01-0.03µg/ml.

**IHC:** Paraffin embedded Human Heart. Recommended concentration: 3.75µg/ml.

### Species Reactivity

**Tested:** Human, Rat

**Expected from sequence similarity:** Human, Mouse, Rat, Dog, Pig

EB06889 (0.003µg/ml) staining of Human Skeletal Muscle lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

EB06889 (0.001µg/ml) staining of Rat Skeletal Muscle lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

HEK293 overexpressing Human Muscle Cofilin 2 (RC222215) and probed with EB06889 (mock transfection in first lane), tested by Origene.

EB06889 (3.75µg/ml) staining of paraffin embedded Human Heart. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.